

AMENDMENTS TO THE SPECIFICATION

Please replace the present paragraph 40 with the following rewritten paragraph:

At the beginning of a coating cycle, the working chamber 6 of the vapor deposition system is evacuated to a high vacuum of e.g. under 10^{-6} mbar and at least the second lock device 14 is closed. If the first lock device 13 is closed, it is opened to hand over one or more objects to the manipulation device 16. After this loading process, the first lock device is closed, sealing the lock chamber gas-tight. By turning on the ultraviolet light source 21, contaminations, in particular organic contaminations, can be cleaned on the surfaces of the lens 9 that face the light source. This process may take place in an atmosphere similar to the environmental atmosphere. However, it is possible to evacuate the lock chamber with the pump 17 before or during the UV irradiation. The evacuation during the irradiation may be advantageous to pump out contamination particles immediately after they are removed from the object in order to avoid re-contamination of the object surface. It is also possible to perform a gas exchange in the lock chamber by pumping it out while letting a suitable gas flow into the chamber from the gas source ~~18-19~~ during or after the evacuation. In some cases, a gas injection with oxygen or another processing gas with or without oxygen has given especially good results. This is possibly due to the fact that the ozone molecules and/or radicals formed under UV light radiation have an advantageous getter effect on the released contaminations, in particular on contaminations containing carbon atoms. They may also mechanically affect the surface to be cleaned.

Please replace the present paragraph 46 with the following rewritten paragraph:

The removal lock system 27, which ideally is fastened permanently or removably in the area of a casing opening 29 opposite of the casing opening 910, is designed as a measurement lock system. It permits measuring parameters that are significant for the qualification of the coated objects, such as reflectivity, transmittance, absorption factor, or the like, immediately after the coating under vacuum without having to subject the object to the environmental atmosphere in the meantime. For this purpose, a spectrometer 31 is provided as a measuring system on the top of the casing 30. From the spectrometer, a light guide 32 used to guide the beam leads into the inside of the lock chamber. The exit or entry end 34 of the light guide is positioned such that light can radiate the surface of the object to be qualified. The reflected or transmitted light can be intercepted by a sensor, e.g., through a light guide, and sent back to the spectrometer. If needed, UV cleansing after the coating process may be provided in the lock (not shown in Fig. 2).